

## Shuman FR980V0 Grey Polycarbonate Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant

### Material Notes:

Good impact strength, easy processability, good surface gloss, good heat resistance, excellent weatherability, excellent color stability, self extinguishing  
Information provided by Shuman Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shuman-FR980V0-Grey-Polycarbonate-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Shuman-FR980V0-Grey-Polycarbonate-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	ASTM D792
Melt Flow	15 - 25 g/10 min	15 - 25 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	70	70	ASTM D785
Tensile Strength	65.5 MPa	9500 psi	ASTM D638
Izod Impact, Notched	6.41 J/cm	12.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	128 Å°C	262 Å°F	ASTM D648
Vicat Softening Point	154 Å°C	310 Å°F	ASTM D1525
Flammability, UL94	V-0	V-0	
	@Thickness 1.57 mm	@Thickness 0.0618 in	
	5VA	5VA	
	@Thickness 1.57 mm	@Thickness 0.0618 in	

Processing Properties	Metric	English	Comments
Processing Temperature	266 - 288 Å°C	510 - 550 Å°F	
Drying Temperature	121 - 127 Å°C	250 - 260 Å°F	Dehumidifying Dryer
	@Time 7200 - 86400 sec	@Time 2.00 - 24.0 hour	
	121 - 127 Å°C	250 - 260 Å°F	Tray Dryer
	@Time 14400 - 86400 sec	@Time 4.00 - 24.0 hour	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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